

<p>Rubinshtein, A. M., Slovetskaya, K. I., and Brueva, T. R. CHEMISORPTION OF ISOPENTANE ON ALUMINA- CHROMIA-POTASSIA CATALYSTS. [1961] 5p. Order from ATS \$7.50 ATS-88N48R Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960, v. 134, no. 4, p. 836-839.</p> <p>DESCRIPTORS: *Pentanes, *Catalysts, Cyclopentanes, Adsorption, Surface properties, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.</p> <p>ATS: RJ-3181 (Chemistry--Physical, TT, v. 6, no. 8)</p>	<p>61-25195</p> <p>I. Title: Chemisorption I. Rubinshtein, A. M. II. Slovetskaya, K. I. III. Brueva, T. R. IV. ATS-88N48R V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>145217</p> <p>Office of Technical Services</p>
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<p>Rubinstein, A. M., Slovenskaya, K. I., and Brueva, T. R. ISOPENTANE CHEMISORPTION ON ALUMINA- CHROMIA-POTASSIA CATALYST. [1961] Sp. 17 refs. Order from OTS or SLA \$1.10 61-18599</p> <p>Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960, v. 134 [no. 4] p. 836-839. Another translation is available from ATS \$7.50 as ATS-88N48R [1961] Sp.</p> <p>DESCRIPTORS: *Pentanes, Adsorption, *Catalysts, Aluminum compounds, Chromium compounds, Potassium compounds, Oxides.</p> <p>Measurements were made of the chemisorption of a paraffinic hydrocarbon on a dehydrogenation catalyst, the dehydrocyclization of paraffins and its variation with the changing temperature and pressure. The (Chemistry--Physical, TT, v. 6, no. 9) (over)</p>	<p>61-18599</p> <p>I. Title: Chemisorption I. Rubinstein, A. M. II. Slovenskaya, K. I. III. Brueva, T. R.</p> <p>Office of Technical Services</p>
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AT&T 84043R

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The porous structure and specific surface area of NiO-Al₂O₃ catalysts and the variation of these properties with changes in composition and thermal treatment

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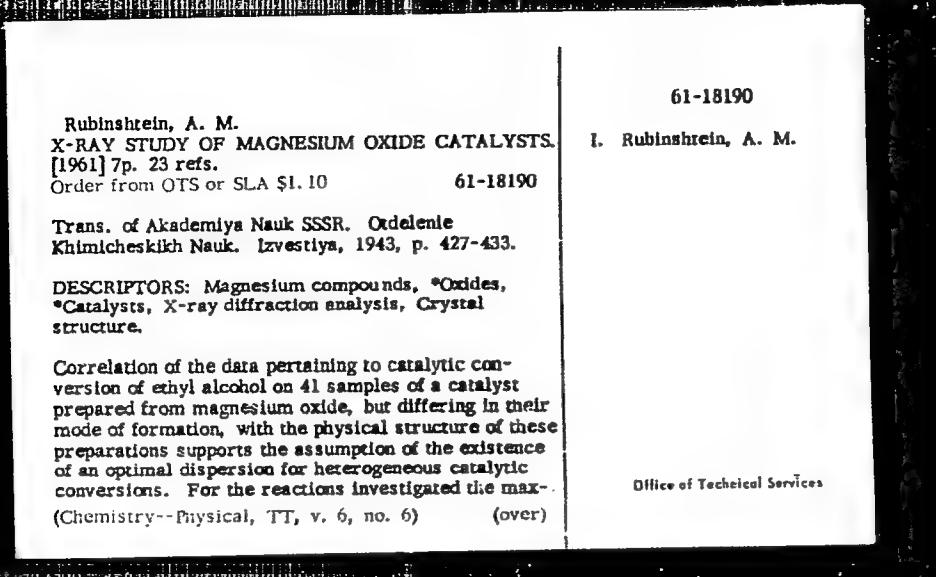
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Trans. of Akademiya Nauk SSSR. Otdelenie
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p. 144-150.

DESCRIPTORS: *Benzene, *Carbon compounds,
*Monoxide, *Hydrogenation, *Alumina-nickel
catalysts, Chemical reactions, Catalysts, Vapors.

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monoxide to methane in the presence of nickel-alumina
catalysts of different extents of dispersion were
investigated. It was shown that the activity of the
catalysts depends upon the dispersion of the active
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61-16863
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Office of Technical Services

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DEHYDROGENATION ON NICKEL CATALYSTS OF
DIFFERENT EXTENT OF DISPERSION. [1961] 7p.
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DESCRIPTORS: *Dehydrogenation, Catalysis, *Nickel
catalysts, Cyclohexanes.

The dependence of the activity of nickel-alumina cata-
lysts upon the dispersion of nickel has been investigated
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thenic compounds. The study was carried out with seven
preparations of the catalyst, in which the dispersion of
nickel varied from 49 to 122 Å. Activity-dispersion
isotherms were constructed for dehydrogenation of cy-
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Effect of the Dimensions of the Elementary Crystallites
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Communication 1. Effect of Composition and Con-
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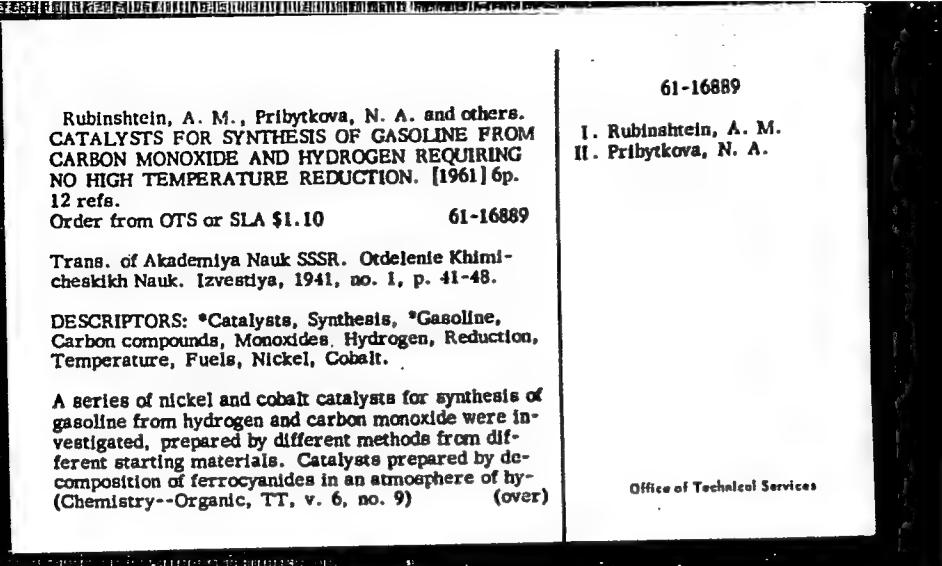
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CIA-RDP84-00581R0002I

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APPROVED FOR RELEASE: Tuesday, November 13, 2001

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